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Bridging Train. Pt. 2
section x-J...
1911.

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REGULATIONS

FOR THE

EQUIPMENT OF THE REGULAR ARMY.

PART 2, SECTION X-J.

BRIDGING TRAIN.

NOTE.—The scales for personal issues of equipment and for general issues for all units are shown in Part 2, Section X-A.

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REGULATIONS

FOR THE

EQUIPMENT OF THE REGULAR ARMY.

PART 2, SECTION X-J.

BRIDGING TRAIN.

NOTE.—The scales for personal issues of equipment and for general issues for all units are shown in Part 2, Section X-A.

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Details of Equipment.

Part 2, Section X-J. BRIDGING TRAIN.

Carriages, &c.

For list of components, accessories, spare parts, wagon and cart equipment of vehicles *see* Table 18, Section X-A. and Equipment Regulations, Part I.

TABLE 1.	Proportions			Remarks.
	Peace.		War.	
	1st Train.	2nd Train.	Per Train.	
Section No. 16A.				
Bolts with nuts, tire, 3rd class (spare)	—	—	24	
Section No. 20.				
Jacks, lifting, general service	—	—	2	
Section No. 21A.				
Bolts with nuts, nave, 3rd class (spare)	—	—	4	
Carts, Maltese	—	—	1	
Carts, water tank, Mark IIA or IIB	—	—	1	
Chains, draught pole No. 2 (spare)	—	—	4	
Pins, draught No. 1 ... („)	—	—	4	
Pins, draught „ 2 ... („)	—	—	8	
Pins, main, No. 30 ... („)	—	—	4	
Poles, draught, No. 7A ... („)	—	—	4	
Wagons, G.S.R.E., Mark II	—	—	4	
Wagons, pontoon (or trestle)	36	12	40	

Harness and Saddlery.*

TABLE 2.	Proportions per Train. War only.	Remarks.
Harness.		
Section No. 5A.		
A.S.C. converted near ... ... sets	142	
A.S.C. converted off ... ... „	143	
Section No. 5B.		
Packsaddlery, G.S. large (or adjustable), ... sets	1	
Packsaddlery, G.S. large (or adjustable), chests, pack transport	6	
Packsaddlery, G.S. large (or adjustable), sacks, coal, packsaddle	2	
Saddlery.		
Section No. 6.		
Officers ... ... sets	5	
Traces, saddlery (spare) ... ... pairs	1	
Universal R.A. ... ... sets	36	
Blankets, saddle (*a*)	—	
Bits, bridoon (*b*)	—	
Collars, head (*b*)	—	
Reins, bit (*b*)	—	
Surcingles, leather (*a*)	—	

(*a*) 1 per horse, except when issued with harness or saddlery.

(*b*) 1 per spare horse (Officers').

* For details of sets of harness and saddlery, *see* Part 1, Equipment Regulations.

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Camp Equipment

(Not provided for by General Scales in Section X-A).

TABLE 3.	Proportions per Half Train. War only.	Remarks.
Section No. 2A.		
Hooks, reaping, large	4	
Section No. 7.		
Grindstones, F.S. 14-inch	1	
Section No. 12.		
Balances, spring, 80-lb.	1	
Implements, butchers':—		
Balances, spring, 4-lb.	1	
Choppers, meat	1	
Hooks, dressing, 9-inch	6	
Knives, { cutting	1	
Knives, { flaying, large	1	
Saws, tenon, 14-inch	1	
Sheets, ground, unserviceable	1	
Steels	1	
Knives, opening tins	3	

Carpenters' Tools and Materials.

TABLE 4.	Proportions per Half Train. War only.	Remarks.
Section No. 4.		
Timber, { deals, American, yellow pine,—		
11-in. × 1-in. ... feet run	6	
16-in. × $\frac{7}{8}$-in. ... „ „	7	
14 „ × $\frac{7}{8}$ „ ... „ „	7	
14 „ × $\frac{3}{8}$ „ ... „ „	7	
elm, American 1-in. × 9-in. „ „	6	
plank, ash, English, $3\frac{3}{4}$-in. × $4\frac{1}{4}$-in. „ „	6	

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TABLE 4—*continued*.	Proportions per Half Train. War only.	Remarks.
SECTION No. 7.		
Adzes, carpenters', handles	2	
Adzes, carpenters', heads	2	
Augers, screw, solid, wing-eyed. (*a*) — $1\frac{1}{2}$-inch	2	
Augers, screw, solid, wing-eyed. (*a*) — $1\frac{1}{4}$ "	2	
Augers, screw, solid, wing-eyed. (*a*) — $\frac{7}{8}$ "	2	
Augers, screw, solid, wing-eyed. (*a*) — $\frac{5}{8}$ "	2	
Augers, screw, solid, wing-eyed. (*a*) — $\frac{1}{2}$ "	2	(*a*) When stock of Augers, shell, is used up.
Augers, handles, 18 "	2	
Augers, handles, 16 "	2	
Augers, handles, $13\frac{1}{2}$ "	2	
Augers, handles, 12 "	2	
Awls, blades, brad	36	
Awls, handles, large	6	
Awls, handles, brad, small	6	
Axes, carpenters', 5 lb. (*b*)	2	(*b*) When stock of Axes, carpenters', $6\frac{1}{2}$ lb., and axes, wheelers', 7 lb., is used up.
Axes, hand, 3 lb. (*b*)	2	
Bags, tool, carpenters'	2	
Bevels, steel blade, slotted, $10\frac{1}{2}$ inch (*c*)	2	
Braces, carpenters', ratchet, with 24 bits (*d*)	2	
Chisels, firmer, coach-makers, $1\frac{3}{4}$-inch	2	(*c*) When stock of Bevels, steel blade, 12-inch, is used up.
Chisels, firmer, coach-makers, $1\frac{1}{2}$ "	2	
Chisels, firmer, coach-makers, $1\frac{1}{4}$ "	2	
Chisels, firmer, coach-makers, 1 "	2	
Chisels, firmer, coach-makers, $\frac{3}{4}$ "	2	
Chisels, firmer, coach-makers, $\frac{1}{2}$ "	2	(*d*) When stock of Braces, carpenters', with 24 bits, is used up.
Chisels, firmer, coach-makers, $\frac{1}{4}$ "	2	
Chisels, hand, 1-inch × $8\frac{1}{2}$-inches	2	
Chisels, cold, $\frac{3}{4}$ " × 8 "	2	
Chisels, mortice, $\frac{1}{4}$ "	2	
Chisels, socket, $\frac{7}{8}$-inch (*e*)	2	(*e*) When stock of $\frac{3}{4}$-inch is used up.
Compasses, common, 7-inch ... pairs	2	
Compasses, wing, 10-inch ... "	2	
Files, bastard, round, 8-inch	2	
Files, bastard, ward-ing, cut on one side $3\frac{1}{2}$-inch	2	(*f*) When stock of 5-inch is used up.
Files, bastard, ward-ing, cut on both sides, 4-inch (*f*)	2	
Files, coarse cut, (*g*) flat, 14-inch	2	(*g*) When stock of files, bastard is used up.
Files, coarse cut, (*g*) flat, 10 "	2	
Files, coarse cut, (*g*) half-round, 14-inch	2	
Files, coarse cut, (*g*) half-round, 10-inch	2	
Files, saw, taper, second cut, 6-inch (*h*)	4	(*h*) When stock of $5\frac{1}{2}$-inch is used up.
Files, saw, taper, single, 4 "	4	
Gauges, carpenters', mortice	2	
Gimlets, spike, $\frac{1}{4}$-inch	4	
Gimlets, twist (*i*) No. 1	4	(*i*) When stock of Gimlets, common, is used up.
Gimlets, twist (*i*) " 2	4	
Gimlets, twist (*i*) " 4	4	
Gimlets, twist (*i*) " 6	4	

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TABLE 4—*continued.*	Proportions per Half Train. War only.	Remarks.
SECTION No. 7—*continued.*		
Gouges, handled, firmer, scribing, { 5/8-inch	2	
"	2	
Hammers, riveting, { 24 oz.	2	
16 "	2	
Handles, file, small	4	
Holders, file, with handle, { flat, { 14-inch	1	If coarse cut files are stored.
10-inch	1	
half-round, { 14-inch ...	1	
10-inch ...	1	
Knives, drawing, carpenters'	2	
Levels, spirit, block, 18-inches	2	
Mallets, carpenters'	2	
Oilstones, carpenters'...	2	
Pencils, carpenters' ... ... doz.	2	
Pincers, carpenters' ... ... pairs	3	
Planes, { bead, 3/8-inch	2	
jack, double iron	2	
plough	2	
rabbet skew	2	
smoothing, G.S.	2	
trying	2	
Pots, glue, 1 pint	2	
Punches, carpenters', { large	2	
small	2	
Rules, G.S., 4-fold	2	
Saws, { compass	2	
frame, 15-inch	2	
hand, 26-inch	2	
tenon, 19-inch	2	
Sets, saw, hand	2	
Screwdrivers, general service, { 14-inch	2	
9 "	2	
Spanners, adjustable, 15-inch (*g*)	2	(*g*) When stock of Spanners, McMahon, is used up.
Spokeshaves, 3¼-inch	2	
Squares, carpenters', 9-inch	2	
Vices, hand, 16-oz.	2	
SECTION No. 9A.		
Chalk, white ... ... lbs.	1	
Glue, best town made ... ... "	1	
Paper, glass, { No. F ... ... sheets	4	
" 2 ... ... "	4	

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TABLE 4—*continued.*	Proportions per Half Train. War only.	Remarks.
SECTION No. 10A.		
Nails, iron, spike, No. 185... ... lbs.	7	
Nails, wire, iron, 5-inch ... „	7	
Nails, wire, iron, grooved, 3 „ ... „	7	
Screws, brass, flat-head, $1\frac{3}{4}$-inch, gauge No. 14 doz.	1	
Screws, brass, flat-head, $1\frac{1}{4}$ „ „ „ 12 „	2	
Screws, brass, flat-head, 1 „ „ „ 12 „	2	
Screws, iron, flat-head, 3 „ „ „ 18 „	2	
Screws, iron, flat-head, $2\frac{1}{2}$ „ „ „ 16 „	2	
Screws, iron, flat-head, 2 „ „ „ 14 „	2	
Screws, iron, flat-head, $1\frac{1}{2}$ „ „ „ 12 „	2	
Screws, iron, flat-head, $1\frac{1}{4}$ „ „ „ 12 „	2	
Screws, iron, flat-head, 1 „ „ „ 12 „	2	
Screws, looped, No. 3, flat... ... (spare)	4	
SECTION No. 12.		
Cans, oil, feeding, $\frac{1}{2}$-pint	2	

FARRIERS' AND SADDLERS' TOOLS.

TABLE 5.	Proportions per Half Train. War only.	Remarks.
SECTION No. 7.		
Bags, tool, farriers' (filled)	—	*See* Part 1, Equipment Regulations.
Holdalls, tool, saddlers' (filled) †	1	† The detail of contents are shown in Table 19 sub-section X-A.

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Painters' Tools and Materials.

TABLE 6.	Proportions per Half Train. War only.	Remarks.
Section No. 7.		
Brushes, sable, writing, crow, large	2	
Brushes, sable, writing, duck, „	2	
Brushes, sable, writing, goose large	2	
Brushes, sable, writing, goose small	2	
Cans, paint, 7½-inches diameter	2	
Knives, palette, 9-inch	2	
Knives, stopping	2	
Pots, writing	2	
Section No. 9A.		
Driers, ground in oil ... lbs.	2	
Knotting ... gallons	½	
Oil, linseed, boiled ... pints	2	
Oil, linseed, raw ... „	2	
Paint, prepared for use, Balmain's, luminous ... lbs.	2	
Paint, prepared for use, lead colour ... „	14	
Paint, prepared for use, lead white ... „	2	
Paint, prepared for use, neutral base (lithopone) „	1	
Putty ... „	4	
Turpentine, spirits of ... pints	2	
Section No. 9B.		
Bottles, tin, oil, 1 quart	2	
Bottles, tin, oil, 1 pint	6	
Section No. 11.		
Brushes, paint, oval (*a*)	4	(*a*) Or ground 000, in lieu.
Brushes, paint, sash, tool, No. 2	4	
Brushes, paint, sash, tool, „ 4	4	
Brushes, paint, sash, tool, „ 6	4	
Brushes, paint, unground, 000	4	

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TABLE 7.	Proportions per Half Train. War only.	Remarks.
SECTION No. 3.		
Iron, wrought, I.C., No. 2 bars, flat, 2-inches × ½-inch lbs.	3½	
Iron, wrought, I.C., No. 2 bars, flat, 1-inch × ¼-inch „	3½	
Iron, wrought, I.C., No. 2 bars, round, 1-inch ... ... „	3½	
Iron, wrought, I.C., No. 2 bars, round, ½ „ ... ... „	3½	
Iron, wrought, I.C., No. 2 bars, square, ¾ „ ... ... „	3½	
Iron, wrought, I.C., No. 2 bars, square, ⅜ „ ... ... „	3½	
Solder, tinman's, soft ... ... „	4	
Spelter, copper (or brass) ... ... „	½	
Tin, sheet, D XXX, 14-in. × 10-in. ...sheets	2	
SECTION No. 7.		
Anvils, ½-cwt.	1	
Aprons, basil, brown (*a*)	1	(*a*) When stock of Aprons, basil, white, is used up.
Blocks, anvil, ½-cwt.	1	
Braces, smiths, ...	1	
Bits, countersink, rose	1	
Bits, rimer, half-round ...	1	
Bits, rimer, square	1	
Chisels, hand, cold, ¾-inch × 8-inches ...	1	
Chisels, smiths', with wood handle (*b*) cold	2	
Chisels, smiths', with wood handle (*b*) hot	2	(*b*) When stock of Chisels, smiths', cold and hot, is used up.
Compasses, wing, 10-inch ... ... pairs	1	
Cutters, anvil, flat, smiths', 2-inch	2	
Files, coarse cut, (*c*) half-round, 14-inch	2	
Files, saw, taper, second cut, single, 6-inch (*d*) ...	4	
Files, saw, taper, second cut, single, 4-inch ...	4	(*c*) When stock of files, bastard is used up.
Forges, field, G.S., Mark III	1	
Hammers, smiths', hand, 3 lb.	1	
Hammers, smiths', setting	1	
Hammers, smiths', sledge, 10 lb.	1	(*d*) When stock of 5½-inch is used up.
Handles, file, small	2	
Holders, file, with handle, half-round 14-inch (*e*)	1	
Irons, soldering, tinman's, large	1	(*e*) If coarse cut files are stored.
Oilstones, smiths'	1	
Punches, centre, 4½-inch	1	
Punches, smiths', cold	1	
Punches, smiths', hot, ⅝-inch	1	
Punches, smiths', hot, ⅜ „	1	
Rasps, rough, half-round, 12-inch	2	
Rules, G.S., 4-fold	2	
Saws, hack, 12-inch, ...	1	(*f*) When stock of Spanners, McMahon, is used up.
Saws, hack, 12-inch, blades	1	
Screwdrivers, 14-inch	1	
Screwdrivers, general service, 9 „	1	(*g*) When stock of Squares, smiths', 2-feet × 1-foot, is used up.
Shears, tinman's, snip ... ... pairs	1	
Spanners, adjustable, 15-inch (*f*)	2	
Squares, smiths', 2-feet × 6-inches (*g*) ...	2	

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TABLE 7—*continued.*	Proportions per Half Train. War only.	Remarks.
SECTION No. 7—*continued.*		
Tongs, smiths', bolt ... ... pairs	1	
Tongs, smiths', forebit ... ... „	1	
Tongs, smiths', forge, large ... „	1	
Tongs, smiths', hammer ... ... „	1	
Tongs, smiths', hollow bit... ... „	1	
Tongs, smiths', plier ... ... „	1	
Vices, bench, saddletree makers'	1	
SECTION No. 9A.		
Borax, refined ... ... lbs.	1	
Salammoniac, in lumps ... ... „	½	
Zinc, chloride solution ... ... pints	1	
SECTION No. 9B.		
Bottles, stone, covered, ½-pint	2	

BRIDGING STORES AND MATERIALS.

TABLE 8.	Proportions per Half Train. War only.	Remarks.
SECTION No. 2A.		
Axes, felling, curved helve	20	
Colours, camp	1	
Helves, maul, 34½-inches	20	
Hooks, bill	20	
Mauls, G.S., heads	20	
Posts, picket, 2½ feet, with steel staple, Mark IV	48	
SECTION No. 2B.		
Axes, pick, heads, 8-lb.	20	
Axes, pick, helves, 36-inches	20	
Shovels, R.E.	20	
Spades, Mark III	20	

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TABLE 8—*continued.*	Proportions per Half Train. War only.	Remarks.
SECTION No. 7.		
Cutters, wire	22	
Hammers, claw, 24-oz. (*a*)	20	(*a*) When stock of 28-oz. is used up.
Marline-spikes, steel, 10-inch	8	
Pincers, carpenters' ... ... pairs	10	
Pliers, side cutting, 8-inch, { ... ... „ cutters (spare)	22 —	50% of pliers.
Spanners, adjustable, 15-inch (*b*)	8	(*b*) When stock of Spanners, McMahon, is used up.
SECTION No. 8A.		
Blocks, tackle, G.S., 2½-inch { double ...	2	
cordage, ... { snatch ...	2	
Cordage, { hemp, hawser, { 3-inch fathoms (*c*)	960	(*c*) For cables.
{ 3-strand, { 2½-inch „ ...	112	
{ tarred, { 1½-inch „ (*d*)	800	(*d*) For breast lines.
Line, white, 1-lb. skeins ... ...skeins	2	
Twine, whipping ... ... lbs.	4	
SECTION No. 8B.		
Lifebuoys	2	
Oars, ash, leathered, 12-feet	80	
SECTION No. 8C.		
Megaphones	1	
SECTION No. 8D.		
Rods, measuring, common, 6-feet	2	
Tapes, measuring, linen, 100-feet	1	
SECTION No. 9A.		
Glue, marine, Jeffrey's ... ... lbs.	14	
SECTION No. 11.		
Lamps, hurricane	2	
Lanterns, bull's-eye	4	
Mops, common (complete)	20	
N.I.V.		
Matches, safety ... ...boxes	18	A.S.C. supply. To be obtained on mobilization.
SECTION No. 12.		
Irons, flat	2	
Stands, flat iron	2	
SECTION No. 13C.		
Canvas, 30-inch ... ... yards	40	
Cloths, sponge ... ... doz.	2	

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TABLE 8—*continued.*	Proportions per Half Train. War only.	Remarks.
SECTION No. 19.		
Lashings, white, 1-inch, 30-feet	40	
Tackles, differential, 10-cwt.	16	
SECTION No. 20.		
Handspikes, common, 6-feet	8	
Posts, picket, 5-feet	16	
SECTION No. 28B.		
Brushes, I.R. solution	4	
Solution, I.R., 3-oz. tubes ... ... tubes	40	
SECTION No. 29C.		
Anchors, boat, 1-cwt.	8	
Anchors, pontoon, ½-cwt.	16	
Bailers, pontoon	16	
Baulks, Mark III	100	
Baulks, button	40	
Baulks, cut	12	
Baulks, shore-end, inside, Mark II ... sets	4	
Baulks, shore-end, outside „ ... „	4	
Beams, saddle, Mark II	16	
Buoys, pontoon, iron	32	
Chesses, Mark II	360	
Hooks, boat, 11 feet 7½ inches	16	
Pontoons, bipartite, Mark II	16	
Pontoons, bipartite, battens (*a*)	8	(*a*) Sizes as required.
Pontoons, bipartite, ribs (*a*)	8	
Ribands	40	
Saddles, baulk, cut	6	
Sticks, rack	140	
Transoms, shore-end, Mark III	4	
Trestles, bridging (without tackles, differential)	8	

MISCELLANEOUS STORES.

TABLE 9.	Proportions per Half Train. War only.	Remarks.
SECTION No. 13C.		
Handcuffs, common ... ... pairs	1	

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Franco-German War—*continued.*

Plans—*continued.*

5B. Battle of Vionville—Mars la Tour. Position of Contending Forces from 4 to 5 p.m. 3*d.*

9A. Battle of Sedan. Position of Contending Forces towards Noon. 3*d.*

9B. Battle of Sedan. Position of the Germans in the afternoon shortly before the end of the struggle. 3*d.*

(*See also* **Siege Operations.**)

German Army. Cavalry. Drill Regns. 1909. 3*d.*

Do. Field Service Regns. 1908. 1*s.*

Do. Foot Artillery. Drill Regns. Part IV. The Fight. 1909. 3*d.*

Do. Manœuvres Regns. 1908. 3*d.*

German Field Artillery. Drill Regns. 1899. 1*s.* 6*d.*

Germany. The Campaign of 1866 in. With 22 Plans in portfolio. 1872. (Reprinted 1907.) 6*s.*

Do. Moltke's Projects for. 1*s.*

Gunnery. Text Book. Part 1. 1907. 2*s.* 3*d.* (*And see* Ballistic Tables.)

Guns. Handbooks for:—

60-pr. B.L. Mark I. Land Service. 1909. 1*s.* 6*d.*

18-pr. Q.F. Land Service. 1909. 1*s.*

15-pr. B.L. Marks II. to IV. and Carriage, Wagon, and Limber Mark IV. Field Batteries. 1904. 1*s.*

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15-pr. Q.F. Movable Armament and Territorial Force. (R.H.A.) 1910. 9*d.*

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6-inch B.L. Howitzer, 30 cwt. 1909. 1*s.*

6-inch Q.F. Land Service. 1903. 1*s.*

5·4-inch B.L. Howitzer. Mark I. 1902, 1*s.* 6*d.*

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5-inch B.L. Marks IV.—V. Land Service. 1903. 1*s.* 6*d.*

5-inch B.L. Howitzer. 1909. 9*d.*

5-inch B.L. Howitzer. Section Gun Drill. 1909. 2*d.*

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4·7-inch Q.F. Fixed Armaments. Drill for. 1909. 2*d.*

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2·95-inch Q.F. Mountain. Mark I. Mule Equipment. 1906. 1*s.* 6*d.*

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Do. Amendments. Jan., Oct. 1910; Feb. 1911. 1*d*. each.
Map Reading and Field Sketching. Manual. 1906. 1*s*. 3d. (*And see* Schools, Army.)
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Medical Services. Army. Advisory Board for. The Treatment of Venereal Disease and Scabies. First Report. 1904. 1*s*. 6*d*.; Second Report. 1905. 2*s*.; Third Report. 1905. 1*s*.; Final Report. 1906. 6*d*.
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Engineers
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REGULATIONS
FOR THE
EQUIPMENT OF THE ARMY

PART 2.—SECTION XJ

FORTRESS UNITS (HOME AND ABROAD) AND A.A. SEARCHLIGHT UNIT (ABROAD) ROYAL ENGINEERS

1934

By Command of the Army Council,

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A. G.

THE WAR OFFICE,
30th June, 1934

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FORTRESS UNITS (HOME AND ABROAD) AND A.A. SEARCHLIGHT UNITS (ABROAD)

ROYAL ENGINEERS

GENERAL INSTRUCTIONS

(The references in 1 to 10 are to Equipment Regulations, Part 2, Section XA, 1934)

1. Arms and accoutrements, Individual Scale, *see* Table 1.
2. Arms and accoutrements, Special Issues, *see* Table 4.
3. Ammunition, *see* Table 6.
4. Articles for Musketry Instruction, *see* Table 7.
5. Marking Equipment, *see* Table 8.
6. Saddlery, Officers, *see* Table 10.
7. Stable Necessaries, *see* Table 11.
8. Camp Equipment, *see* Table 26.
9. Army Books and Forms and Equipment, *see* Table 29.
10. Instruction for care and maintenance of searchlight reflectors, etc., *see* Appendix 2, Part 1, 2 and 3.
11. Additional stores may be drawn where authorized under E.R., Part I.
12. Tools and stores for Works services are issued under the authority of the General Officer Commanding-in-Chief.
13. Consumable stores (except carbons), small stores for repairs and maintenance, and cleaning materials may be drawn by the Officer in charge of Defence electric light or A.A. searchlights from the R.A.O.C. up to amounts which will be notified by A.C.Is.
14. The authorized scale of carbons will be notified annually by A.C.I.
15. Stores for the maintenance of fixed generating sets and power cables which are R.E. supply will be chargeable to local vote 10 allotment.

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16. *Defence Electric Lights.*

(*a*) The authorized number of lights for each station will be laid down by the War Office.

(*b*) Tables 2, 3 and 4 show the authorized equipment for an emplacement, engine room and directing station plus the spares and reserves to be held at the group store and station or fire command store. The station or fire command scale will be the total stores as shown under columns 2, 3 and 4 of Tables 2, 3 and 4.

(*c*) C.R.Es. will prepare a station (or fire command) scale based on Tables 2, 3 and 4, and will submit it to the General Officer Commanding-in-Chief for approval. At stations where there are two or more fire commands a separate scale for each fire command will be prepared.

Copies of the approved scale will be issued to all concerned.

(*d*) The station (or fire command) scale will not show the distribution of the various items, but an inventory will be prepared for each group and for the station or fire command store, the combined total of the group and store inventories being equal to the approved scale.

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TABLE 1—A.A. SEARCHLIGHT EQUIPMENT

Designation	Each Light	Each Section	Each Company
*Section A.*1			
Braces, pouch, Lewis gun	2	—	4
Pouches, magazine, Lewis gun	4	—	8
Slings, Lewis gun	1	—	2
*Section C.*1			
Adapters, holders, A.A., Lewis ·303-in. M.G., Mk. I	1	—	2
Air correctors, Lewis ·303-in. M.G., Mk. I ...	1	—	2
Bags, spare parts and tools, M.G., filled, Lewis ·303-in. (*a*)	1	—	2
Boxes, carrier, magazine, Lewis ·303-in. M.G., Mk. I*	2	—	4
Brushes, rod, cleaning, cylinder, Lewis ·303-in. M.G., Mk. I	1	—	2
Carriers, magazine, Lewis ·303-in. M.G., Mk. I	2	—	4
Chests, Vickers or Lewis ·303-in. M.G., Mk. III	1	—	2
Cleaners, gas regulator, Lewis ·303-in. M.G., Mk. I	1	—	2
Covers, Lewis ·303-in. M.G., Mk. I	1	—	2
Guns, machine, Lewis ·303-in., Mk. I, D.P.	—	—	1
Guns, machine, Lewis ·303-in.—			
Mk. I	1	—	2
Barrels, Mk. I ... ...(spare)	1	—	2
Cylinders, gas, Mk. I	1	—	2
Rods, pistol, No. 2	2	—	4
Handles, loading magazine, Lewis ·303-in. M.G., Mk. I	5	—	10
Holders, A.A., Lewis ·303-in. M.G., Mk. I ...	1	—	2
Indicators, range, stadia, M.G., Mk. I ...	1	—	2
Jacks, Lewis ·303-in. M.G., Mk. I	—	—	1
Magazines, Lewis ·303-in. M.G., Mk. I ...	10	—	20
Mops, rod, cleaning, cylinder, Lewis ·303-in. M.G., Mk. I	1	—	2
Mountings, tripod, A.A., Lewis or Hotchkiss ·303-in. M.G., Mk. I	1	—	2
Mounts, field, Lewis ·303-in. M.G., Mk. III ...	1	—	2
Rods, cleaning, ·303-in.—			
M.G., Mk. II	1	—	2
Cylinder, Lewis ·303-in. M.G., Mk. I ...	1	—	2
Sights, A.A.—			
Back, Lewis ·303-in. M.G., Mk. II ...	1	—	2
Fore, Lewis ·303-in. M.G., Mk. II ...	1	—	2
*Section E.*1			
Spindles, cable drum, telephone wagon, Mk. I (or II)	1	1 (*b*)	—

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TABLE 1—*continued*

Designation	Each Light	Each Section	Each Company
Section E.3			
Blocks, tackle, G.S., cordage—			
2-in. Mk. I—			
Double	—	—	2
Snatch	—	—	2
Treble	—	—	2
Chain, iron, crane, ¾-in. ... ... fms.	—	—	3
Handspikes, 6-ft.	1	—	2
Shackles, ¾-in., Mk. I	—	—	4
Tackles, differential—			
15-cwt., Mk. I	—	—	1
2-tons, Mk. I	—	—	1
Section F			
Anvils—			
1¼-cwt.	—	—	1
Blocks, 1¼-cwt.	—	—	1
Bars, pinching	—	—	2
Blocks, scribing	—	—	1
Brushes—			
Dusting	1	—	—
Paint, 1-knot, 3/0	1	—	4
Sash, tool—			
No. 6	—	—	12
No. 8	—	—	12
Steel wire, flat, 2-in.	—	—	3
Stencil	—	—	3
Watchmakers	—	—	1
Cans, oil, lubricating, 1-pint	1	—	—
Cans, paint—			
Small	—	—	4
Large	—	—	4
Chests, tool, empty—			
C	1	—	2
Telegraph mechanics	—	—	1
Chests, tool, filled—			
Blacksmiths	—	—	1
Wheelers	—	—	1
Chisels—			
Cold, ½-in.	1	—	2
Cross-cut, ⅛-in.	1	—	2
Mortice—			
⅝-in.	—	—	1
¼-in.	—	—	1
Crowbars	—	—	2
Diamonds, glaziers	—	—	1
,, ,, cases, Mk. II	—	—	1
Dividers, spring, 6-in.	1	1	2
Drifts, steel—			
⅜-in.	—	1	1
⅞-in.	—	1	1
1-in.	—	1	1

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TABLE 1—*continued*

Designation	Each Light	Each Section	Each Company
Section F.—continued			
Drills, centring—			
$\frac{1}{8}$-in.	—	—	3
$\frac{3}{16}$-in.	—	—	3
Drills, stock—			
Breast	—	—	1
Hand	—	—	1
Drills, twist, parallel shank—			
$\frac{9}{32}$-in.	—	—	1
$\frac{11}{64}$-in.	—	—	1
$\frac{5}{16}$-in.	—	—	1
$\frac{21}{64}$-in.	—	—	1
$\frac{11}{32}$-in.	—	—	1
$\frac{23}{64}$-in.	—	—	1
$\frac{3}{8}$-in.	—	—	1
Drills, twist, Morse, 1–60 ... ... set	—	—	1
Eyeglasses	—	—	1
Files—			
Bastard—			
Half-round, 12-in.	—	1	2
Round—			
6-in.	—	1	2
12-in.	—	1	2
Square, 12-in.	—	1	2
Second cut—			
Half-round, 6-in.	1	1	2
Hand, safe edge, 10-in.	1	1	2
Square, 8-in.	—	1	2
Three-square, 10-in.	—	1	2
Warding, Cut on—			
one side, 3-in.	—	1	2
both sides, 4-in.	—	1	2
Handles—			
Medium	1	1	2
Large	1	1	2
Forges, field, heavy	—	—	1
Gauges—			
Depth	—	—	1
Feeler	1	—	2
Wire	—	—	1
Grindstones, workshop	—	—	1
Hammers—			
Copper	—	—	1
Engineers, ballpane, 2-lb.	—	—	1
Watchmaker	—	—	1
Sledge, straight pane, 10-lb. (*c*)	1	—	—
Handles—			
No. 1	—	—	6
No. 5	—	—	2
No. 6	—	—	2
No. 7	—	—	2
Irons, soldering, straight, $\frac{1}{2}$-lb.	—	—	1
Ladles, 4-in.	—	—	1

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TABLE 1—*continued*

Designation	Each Light	Each Section	Each Company
Section F.—continued			
Lamps—			
Brazing, 5-pint, Mk. I	—	—	1
Spirit, ½-pint	—	—	1
Levels, spirit, rules	1 (*c*)	1 (*b*)	—
Micrometers, outside—			
0 to 1-in.	—	—	1
1 to 2-in.	—	—	1
Nippers, end cutting, 5-in. ... ... pr.	—	—	1
Oilstones, fine	—	—	1
Plates—			
Angle, 8-in.	—	—	1
Surface, 12 in.	—	—	1
Pliers, side-cutting, 8-in. ... ... pr.	1	—	—
Pots, fire	—	—	1
Rasps, carpenters, 10-in.	1	1	1
Rules—			
Boxwood—			
2-fold	—	—	2
4-fold	1	—	—
Steel, 2-ft., folding	—	—	1
Saws—			
Cross-cut, 5-ft.	—	—	1
,, ,, cases	—	—	1
Hack, 12-in.	—	1	2
,, blades (*d*) ... ... doz.	—	1	2
Scissors, 8-in. ... ... pr.	—	—	1
Screwdrivers—			
Electricians—			
2½-in.	—	—	2
3-in.	—	—	1
R.E., 18-in., Mk. I	—	—	1
Scribers	1	—	2
Shears—			
Stock ... ... pr.	—	—	1
Tinmans, Scotch ... ... ,,	—	—	1
Spanners—			
Box, tubular—			
⅛-in. and $\frac{3}{16}$-in.	1	—	2
¼-in. and $\frac{5}{16}$-in.	1	—	2
⅜-in. and $\frac{7}{16}$-in.	1	—	2
½-in. and $\frac{9}{16}$-in.	1	—	2
⅝-in. and ¾-in.	1	—	2
⅞-in. and 1-in.	1	—	2
Tommies	(*e*)	—	(*e*)
Double-ended—			
$\frac{3}{16}$-in. and ¼-in.	1	—	2
$\frac{5}{16}$-in. and $\frac{7}{16}$-in.	1	—	2
⅜-in. and ½-in.	1	—	2
⅝-in. and ¾-in.	1	—	2
⅞-in. and 1-in.	1	—	2
Squares, standard, 6-in.	—	—	1

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TABLE 1—*continued*

Designation	Each Light	Each Section	Each Company
Section F.—continued			
Stamps, steel, for wood—			
¾-in. figures, 0 to 8, sets ... ... set	—	—	1
¾-in. letters, sets ... ... „	—	—	1
Straight edges—			
2-ft.	—	—	1
6-ft.	—	—	1
Tachometers	—	—	1
Tools, screw-cutting—			
B.A., sets—			
No. 1 ... ... set	—	—	1
No. 2 ... ... „	—	—	1
B.S.F., sets—			
No. 1 ... ... „	—	—	1
No. 2 ... ... „	—	—	1
B.S.W., sets—			
No. 1 ... ... „	—	—	1
No. 2 ... ... „	—	—	1
Tweezers—			
Small	1	—	1
Large	1	—	1
Vices—			
Parallel, cast, 4½-in.	—	1	2
Woodworkers, 9-in.	—	—	1
Wrenches, pipe, chain, medium	—	—	1
Section G.1			
Padlocks, iron, galvanized, 2-in. (*f*)	1	—	2
Section H.1			
Bottles, tin, oil—			
½-pt. (*g*)	1	—	—
1-pt.	1	—	—
1-qt.	1	—	3
1-gall.	—	—	1
Section H.2			
Cordage, Manilla, white hawserlaid—			
1-in. in 4 fms. lengths ... lengths	—	—	24
1-in. in 6 fms. lengths ... „	—	—	24
2-in. ... ... fms.	—	42	12
Section J			
Axes—			
Felling	—	—	1
Pick, 4½-lb.—			
Heads	1	—	6
Helves	1	—	6
Covers, waterproof, black, G.S.—			
20-ft. × 15-ft.	1	—	2
10-ft. × 6-ft.	1	—	2
Shovels, R.E.	1	—	6
Tents, telegraph (*r*)	—	1	—

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TABLE 1—*continued*

Designation	Each Light	Each Section	Each Company
Section K			
Clocks, horizontal	—	—	1
Section L			
Lamps, hurricane	1	1	4
Measures, standard, tin—			
1-gall.	—	—	1
2-gall.	—	—	1
Measures, tin—			
½-pt.	—	—	1
1-pt.	—	—	1
1-qt.	—	—	1
½-gall.	—	—	1
Section Q.1			
Cartridges, S.A., ball—			
·303-in. (carton packed) (*h*)	1094	—	2188
Section V.1			
Binoculars, prismatic, No. 4, Mk. I ...	2	1 (*b*)	1
Section V.2			
Boards, drawing, double elephant	—	—	1
Compasses—			
Beam, 26-in., Mk. II	—	—	1
Prismatic, Mk. VIII (*i*)	1	1 (*b*)	1
Instruments, drawing—			
G.S., Mk. III ... ... set	—	—	1
R.E., A, Mk. II ... ... ,,	—	—	1
Plates, stencil, R.E., draughtsmen ... ,,	—	—	1
Plotters, visual	—	1	—
Protractors, semi-circular, celluloid, 8-in., special, Mk. III	—	1	1
Scales, math.—			
No. 2	—	—	1
No. 12	—	—	1
Set-squares, celluloid—			
6-in., 45°	—	—	1
6-in., 60°	—	—	1
10-in., 45°	—	—	1
10-in., 60°	—	—	1
Straight edges, 36-in.	—	—	1
T-squares, 45-in., mahogany	—	—	1
Tapes, measuring, steel, 50-ft., Mk. I ...	—	—	1
Watches, G.S., Mk. II	1	2	4
Section W.2			
Batteries, dry—			
Y, Mk. II	—	2 (*b*)	—
,, ...(spare)	—	2 (*b*)	—
Torch, Mk. I	3	2	10
,, ...(spare)	3	2	10

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TABLE 1—*continued*

Designation	Each Light	Each Section	Each Company
Section W.2—continued			
Bulbs—			
2·5-volt, O (*j*)	1	—	—
,, (*j*) ... ...(spare)	1	—	—
3·5-volt, P ... ...(,,)	3	2	10
Cable, electric—			
D.8, Mk. I, twisted ... ... miles	½	1¼	—
N, twin, flat, low, 0·12, Mk. I, 150 yds. lengths ... ... lengths (*k*)	2	—	—
N, twin, flat, low, 0·15, Mk. I, 150 yds. lengths ... ... lengths (*l*)	2	—	—
Cells, inert—			
Q, Mk. I	5 *m*)	8	—
,, ...(spare)	5 (*m*)	8	—
S, Mk. I	2 (*j*)	—	—
,, ...(spare)	2 (*j*)	—	—
Connectors, $\frac{0}{16}$-in., Mk. I	2 (*n*)	—	—
,, ,, ...(spare)	—	—	6
Drums, cable—			
No. 5, Mk. I	2	5	—
No. 9 (or 13)	1	—	—
,, stands	1	—	—
Irons, soldering, 3-lb., ½-in., groove, Mk. I...	—	—	1
Lugs, cable, 0·2, $\frac{9}{16}$-in.	2 (*n*)	—	—
,, ,, ...(spare)	—	—	6
Meg., insulation tester, 500-volts, 100 meg.	—	—	1
Reels, cable, No. 1, Mk. II (*o*)	1	—	—
Terminals, power, double, $\frac{0}{16}$-in., Mk. I ...	—	—	2
Torches—			
Button, Mk. I	—	2 (*b*)	—
Hand, Mk. I	3	2	10
Section X			
Ammeters, D.C., 250-amp., 6-in., sub-standard, Mk. I	—	—	1
Anti-glare devices, 120-cm., Mk. I (*c*) ...	1	—	—
Arc centralizers, 200/250-amp., Mk. II (*c*) ...	1	—	—
Carriers, projector (*c*)	1	—	—
Cases—			
Reflector—			
E, Mk. I (*c*)	1	—	2
G, Mk. I (*p*)	1	—	2
Chairs, spotting, A.A., Mk. I* (or II**) ...	2	—	—
Control arm, Mk. IV (*p*)	1	—	—
Frames, resistance, 200-amp., 0·25-ohm, Mk. II	1	—	—
Fuzes, 200-amp., Mk. I, carriers, Mk. III ...	—	—	1
Generating sets, 24-kw., Crossley, 100-volt, Mk. I	1	—	—
Glass sectors, Mk. I (*p*)	—	24	24
Glass strips, $\frac{3}{16}$-in. × 3½-in. × 24⅜-in. (*c*) (spare)	—	12	24

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TABLE 1—*continued*

Designation	Each Light	Each Section	Each Company
Section X—continued			
Glasses, framed—			
Mk. I (*c*)	1	—	—
Mk. II (*p*)	1	—	—
Glasses—			
Ruby and green (*c*) ... ...(spare)	1	—	—
Neutral tint (*p*) ... ...(„)	1	—	—
Holders, portable, interior, with fittings, B, Mk. I	1	—	—
Lampholders, B.C., shade carrier and cord grip	1	—	—
Lamps—			
Electric, incandescent, C.F., B.C., 100-volt, 32 C.P., Mk. I	4	—	10
Searchlight, hand—			
120-cm., Mk. I* (or H.C.D., 90-cm., Mk. I)	1	—	—
Ferrules (*c*)—			
16-mm., Mk. I	2	—	—
30-mm., Mk. I	2	—	—
Conductors (*c*)—			
Pos., C, Mk. III ... ...(spare)	1	—	—
Neg., C, Mk. II ... ...(„)	1	—	—
Drip catchers, 120-cm.—			
Mk. I (*q*)	1	—	—
Gauze, sq. ft.	4	—	—
Searchlight, H.C.D., 90-cm., Mk. I—			
Spare parts for 6 lamps (*t*) (*p*) ... set	—	1	—
Locators, sound, Mk. III*	1	—	—
Clips—			
Small, Mk. I	—	—	2
Large, Mk. I	—	—	2
Stethoscopes, Mk. II	—	—	4
Magnetos, 4-cylinder, Simms, S.R.4, L type, anti-clockwise	1	—	—
Ditto ditto spare parts, set	1	—	—
Pads, polishing, Mk. I	1	—	—
Pickets, racer, Mk. II (*c*)	12	—	—
Plugs, terminal, $\frac{9}{16}$-in., A or B, Mk. I ...	3	—	—
„ „ (spare)	—	—	12
Projectors, A.A., 90-cm., Mk. III (or A.A., hand control, 120-c., Mk. I*)	1	—	—
Racers, projector, A.A., Mk. II (*c*)	1	—	—
Reflectors—			
Paraboloid—			
90/42, Mk. I (*p*)	1	—	2
120/60, Mk. I (*c*)	1	—	2
Rings, reflectors, 120-cm., Mk. I (*c*) ...	1	—	2
Skew gear sets, mechanical control, 90-cm. or 120-cm., Mk. I (*c*)	1	—	—
Ditto ditto covers ...	1	—	—
Shutters, dowsing, Mk. I (*c*)	1	—	—

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TABLE 1—*continued*

Designation	Each Light	Each Section	Each Company
Section X—continued			
Spanners, box—			
Hexagon, ½-in., Mk. I	1	—	—
Square, $\frac{5}{16}$-in.—			
Small, Mk. I (*c*)	1	—	—
Large, Mk. I (*c*)	1	—	—
Switchboards—			
24-kw., D, Mk. I	1	—	—
90- or 120-cm. A.A. projector, Mk. I (*c*)	1	—	—
Tongs, carbon, Mk. II (*c*)	2	—	—
Voltmeters, D.C., 160-volts, 8-in., sub-standard, Mk. I	—	—	1
Section Y			
Bars, carrying, No. 5 cable drum	1	1 (*b*)	—
Bells, magneto, 53A (or P, Mk. II)	1	—	—
Cases, microphone, capsule	—	—	1
Cords, instruments, No. 431	—	—	4
Guys, telegraph pole	5	—	—
Jumpers (*c*)	1	—	—
Megaphones, 10-in.	1	—	—
Microphones, capsule, Mk. I ...(spare)	1	—	10
Switchboards, field, 10-line	—	1	—
Telephone, attachment, headgear—			
Single	1	—	—
Double	—	1 (*b*)	—
Telephone—			
Sets, No. 110A	3	4	—
Hand, No. 112	—	—	4
Tables, telegraph, Mk. I (or II)	—	1	—
Section Z			
Hydrometers, secy., cell, Runbaken... ...	—	—	1
M.T. Section 1			
Extinguishers, fire, tetrachloride type, filled, with bracket (*s*)	1	—	—
M.T. Section 2			
Chests, tool, complete with tools, M.T.—			
Electricians'	—	—	1
Fitters'	—	—	1
Motor-cycle artificer, large	—	—	1

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(*a*) For detail of contents, *see* E.R., Part I.
(*b*) For use with Plotters, visual.
(*c*) For 120-cm., equipment only.
(*d*) Type of blade to be stated on indent.
(*e*) As required. To be provided locally.
(*f*) For Chests, tool, empty, C.
(*g*) For Reflector oil, not required for H.C.D., equipment.
(*h*) For Machine guns.
(*i*) With Cases, compass, prismatic A.
(*j*) For lighting attachment of Locator, sound, Mk. III*.
(*k*) Each length fitted with 3 plugs, terminal, $\frac{9}{16}$-in., "B," 1 lug, cable, 0·2, $\frac{9}{16}$-in., and 1 connector, $\frac{9}{16}$-in., Mk. I. For H.C.D., equipment only.
(*l*) Each length fitted with 3 plugs, terminal, $\frac{9}{16}$-in., "A," 1 lug, cable, 0·2, $\frac{9}{16}$-in., and 1 connector, $\frac{9}{16}$-in., Mk. I. For 120-cm., equipment only.
(*m*) 2 for each telephone and 1 for Locator speaking circuit.
(*n*) 1 fitted to each length of cable, electric, N, twin, low, 0·12, Mk. I or or 0·15, Mk. I.
(*o*) For carriage of cable, electric, D.8, twisted for Locator speaking circuit.
(*p*) For H.C.D., equipment only.
(*q*) To be made up locally.
(*r*) If no other accommodation is available.
(*s*) For use with Crossley generating sets.
For detail of set, *see* Appendix I.

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TABLE 2—D.E.L. ELECTRIC LIGHT EMPLACEMENT EQUIPMENT

Designation	Each Emplacement	Each Group Store	Each Station of Fire Command Store
Section F			
Brushes, dusting	1	—	2
Diamonds, glaziers'	—	1	—
,, ,, cases	—	1	—
Files—			
Second cut, half round, 4-in.	1	—	1
Handles, small	1	—	1
Pliers, side-cutting, 5-in. ... ... pr.	1	—	1
Screwdrivers, cabinet, 6-in.	1	—	1
Section H.2			
Skins, chamois, leather	1	—	3
Section L			
Lamps, kerosine, No. 1 or No. 3	1	—	—
Section W.2			
Cable, electric—			
M, low, 0·15, Mk. I ... ... yds.	—	—	50
J, single, low, 0·002, Mk. I ... ,,	—	—	100
Connectors, $\frac{9}{16}$-in., Mk. I	—	—	3
Cords, electric, U.N. twin, low, 0·006, Mk. I yds.	—	—	100
Lugs, cable, 0·2, $\frac{9}{16}$-in.	—	—	6
Section X			
Ammeters, D.C., 250-amp., 6-in., Mk. I ...	1	—	1
Anti-glare devices	1	—	—
Brackets, plain, canting, 9-in., brass, Mk. I	1	—	—
Carbons, pos. and neg. (*a*)	—	—	—
Cases—			
Transport, A	—	1	1
Reflectors	—	(*b*)	(*b*)
Frames—			
Resistance, 200-amp., 0·25-ohm, Mk. II.	1	—	1
Helices, No. 7½ S.W.G., Mk. I	—	3	12
Glass strips—			
$\frac{3}{16}$-in. × 3$\frac{3}{4}$-in. × 37$\frac{3}{8}$-in. or $\frac{3}{16}$-in. × 3½-in. × 49$\frac{3}{4}$-in.	—	2	8
Glass sectors, Mk. I (*d*)	—	12	24
Glasses—			
Framed, Mk. I (*c*)	1	—	—
Framed, Mk. II (*d*)	1	—	—
Ruby and geen (*c*)	—	1	2
Neutral tint (*d*)	—	1	2

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TABLE 2—*continued*

Designation	Each Emplacement	Each Group Store	Each Section or Fire Command Stores
Section X.—continued			
Holders, portable, interior, with fittings, B, Mk. I	1	—	2
Lampholders, B.C., shade carriers	1	—	—
Lamps, searchlight	1	1	1
Cleaners, contact, Mk. I (*c*)	1	—	2
Ferrules—			
16-mm., Mk. I (*c*)	2	1	1
30-mm., Mk. I (*c*)	2	1	1
Lamps, electric, incandescent, C.F., B.C., 100-volt, 32 c.p., Mk. I (*e*)	2	3	6
Pads, polishing, Mk. I	1	—	3
Projectors—			
Fortress—			
Hand control	1	—	1
Motor control	—	—	1
Reflectors	1	1 (*f*)	2 (*f*)
Reflectors, gold lacquered, Mk. I	1	—	—
Rings, reflectors	1	(*b*)	(*b*)
Spanners—			
Box—			
Hexagon, ½-in., Mk. I	1	1	1
Square, $\frac{1}{16}$-in., small, Mk. I (*c*)	1	1	1
Forked, steel—			
Small, Mk. I (*c*)	1	—	—
Large, Mk. I (*c*)	1	—	—
Switches—			
Auto, searchlight, Mk. II	1	—	1
200-amp., S.P., direct, Mk. I	1	—	1
5-amp., S.P., Mk. II	1	—	1
Tongs, carbon, Mk. II (*c*)	2	—	2
Voltmeters, D.C., 160-volts, 8-in., Mk. I ...	1	—	1
N.I.V.			
Frames, resistance, local pattern (*g*) ...	1	—	—
Focus, stick, local pattern	1	—	—
Switchboards, local pattern (*h*)	1	—	—
Wall plug and socket, 2-pin, 5-amp. ...	1	—	1

(*a*) See General Instructions.
(*b*) 1 for each reflector in stores.
(*c*) For 120-cm. equipment only.
(*d*) For H.C.D. equipment only.
(*e*) Lamps, electric, 100-volt, 26 C.P., Mk. I will be issued until stocks become exhausted.
(*f*) When different types are in use, a minimum of 1 of each type will be held.
(*g*) To be made up locally. Resistance to be approximately 0·5 ohms. 60 lb. of No. 4 S.W.G. G.I. wire is suitable.
(*h*) Fitted with Ammeter, switch S.P., switch auto, voltmeter, socket wall, bracket lamp and tumbler switch, as designated under separate items.

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TABLE 3—D.E.L. ENGINE ROOM EQUIPMENT

Designation	Each Engine Room	Each Group Store	Each Station or Fire Command Store
Section F			
Filters, oil	1	—	—
Lamps, brazing, 1-pint (Mk. II)	1	—	—
Vices, parallel, cast, 6-in.	1	—	—
Section L			
Lamps, kerosine, No. 1 or 3	2	—	—
Section W.2			
Batteries, dry, torch, Mk. I	1	—	—
„ „ ... ...(spare)	1	1	6
Bulbs, 3·5-volt, P ... ...(„)	1	6	12
Torches, hand, Mk. I	1	—	—
Section X			
Ammeters, D.C., 250-amp., 6-in., Mk. I ...	—	—	1
Field regulators, 80-volt, B, Mk. I or 100-volt, B, Mk. I	(*a*)	1	—
Fuzes, 200-amp., Mk. I	1	—	1
Generating sets, 24-kw. (*b*)	(*a*)	—	—
Holders, portable, interior with fittings, B, Mk. I	2	—	—
Magnetos, 4-cylinder, Simms, S.R.4, L type, anti-clockwise (*c*)	(*a*)	1	—
Ditto Spare parts (*c*) sets	—	1	2
Switchboards, defence lights, Mk. II (*d*) ...	1	—	—
Switches—			
5-amp., Mk. II	—	—	1
200-amp.—			
Change-over, S.P., Mk. I	—	—	1
Direct, S.P., Mk. I	—	—	1
Direct, D.P., Mk. I	—	—	1
Voltmeters, D.C., 160-volts, 8-in., Mk. I	—	—	1
N.I.V.			
Lamps, incandescent, 40-watt (*b*)	(*e*)	3	6
Drums, oil, 5-gall., with tap	1	—	—
Wall plug and socket, 2-pin, 5-amp. ...	2	—	—

(*a*) 2 for 1 light, 3 for 2 or 3 lights, 1 for each additional light.
(*b*) 80 volts for L.C.D. lamps, 100 volts for H.C.D. lamps.
(*c*) Or type to suit type of generating sets held on charge.
(*d*) Number of panels to meet local requirements.
(*e*) 1 lamp for each panel.

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TABLE 4—D.E.L. ELECTRIC LIGHT DIRECTION STATION EQUIPMENT

Designation	Each Directing Station	Each Group Store	Each Station or Fire Command Store
Section V.1			
Binoculars, prismatic, No. 4, Mk. I ...	(*a*)	—	—
Section W.2			
Batteries, dry, torch, Mk. I	1	—	—
,, ,, ...(spare)	1	—	—
Bulbs, 3·5-volt, P ,, ...(,,)	1	—	—
Section X			
Brackets, plain, canting, 9-in., brass, Mk. I.	1	—	—
Lampholders, B.C., shade carriers	1	—	—
Reflectors, gold lacquered, Mk. I	1	—	—
Switches, motor-directing—			
Mk. II or Mk. III	(*b*)	1	2
Mk. IV (*c*)	(*d*)	1	2
,, stands, binocular, Mk. I (*c*) ...	(*d*)	—	—
,, ,, facepieces (*c*) ...	(*d*)	—	2
Switches, 5-amp., S.P., Mk. II	1	—	—
N.I.V.			
Boards, distributing, D.P., 5-amp., for each way (*e*)	1	—	—
Lamps, incandescent, 40 w. (*f*)	1	—	—

(*a*) 1 for each moving light plus 1 for electric light director.
(*b*) 2 for each moving light.
(*c*) When specially ordered by War Office.
(*d*) 1 for each moving light.
(*e*) 2 ways for each moving light, plus 2. D.W. supply.
(*f*) 80-volt for 80-volt generators, 100-volt for 100-volt generators.

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APPENDIX 1—DETAIL OF SET OF SPARE PARTS FOR 6 H.C.D., 90-CM., Mk. I LAMPS.

Designation	No.	Remarks
Section W.2		
Cable, electric, M.11, Mk. I ... ft.	6	
Section X		
Lamps, searchlight, H.C.D., 90-cm., Mk. I—		
Accessories—		
Bars, tommy	1	
Collets	2	
Gauges	1	
Holders, carbon—		
Pos., "E," Mk. I	2	
Neg., "E," Mk. I	2	
Plumbago (in 1-lb. tins) ... tins	3	
Spanners, box, hexagon, ½-in., Mk. I	1	
Spare parts—		
Boxes, small parts	2	
Brushes	4	
Carriers	1	
Chains	1	
,, links ... ... sets	2	
Clamps	2	
Drives	6	
Rings, contact—		
Rotating	2	
Stationary...	2	
Switches, trip	1	
M.T. Section 2		
Extractors, rivet, motor-cycle, roller ...	2	

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APPENDIX 2—DETAIL OF SET OF SPARE PARTS FOR 6-10 L.C.D., 90-CM., or 120-CM., LAMPS.

Note.—These spares will normally be located in the Station or Fire Command Store, and are based on an establishment of 6–10 lamps.

Designation	No.	Remarks
Section X		
Lamps, searchlight, auto and hand—		(*a*) For Lamps, auto., 90-cm., Mk. III. or 120-cm., Mk. II.
Armatures, Mk. I (*a*)	1	
,, ,, relays (*a*)	1	
Brushes, carbon, Mk. I (*a*)	4	
,, ,, springs (*a*) ...	4	(*b*) For Lamps, auto., 90-cm., Mk. I and Mk. II, or 120-cm., Mk. I.
Coils, relay, 900-ohm, Mk. I (*a*) ...	1	
Conductors—		
Neg., A, Mk. I (*b*)	1	
Neg., D, Mk. I (*a*)	1	
Pos., A, Mk. I (*b*)	3	
Pos., D, Mk. I (*a*)	1	
Handles, feed screw, Mk. I (*a*) ...	1	
Holders, carbon—		
Brackets, elevating, Mk. I ...	1	
,, traversing, Mk. I ...	2	
Neg., A, Mk. I (or B, Mk. I) ...	1	
Pos., A, Mk. I	1	
Nuts, brass, 9 per set ... ... sets	2	
Resistances—		
300-ohm, Mk. I (*a*)	1	
450-ohm, Mk. I (*a*)	1	
Resistance, bobbins—		
10-ohm, Mk. I (*b*)	3	
100-ohm, Mk. I (*b*)	1	
Screws—		
49 a set (*b*) ... ... sets	2	
Relay, Mk. I (*a*)	2	
Springs, pawl, Mk. I (*b*)	3	
Washers, insulating, Mk. I (*b*) sets	2	
Wheels, ratchet, Mk. I (*b*)	1	

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